Figure 1

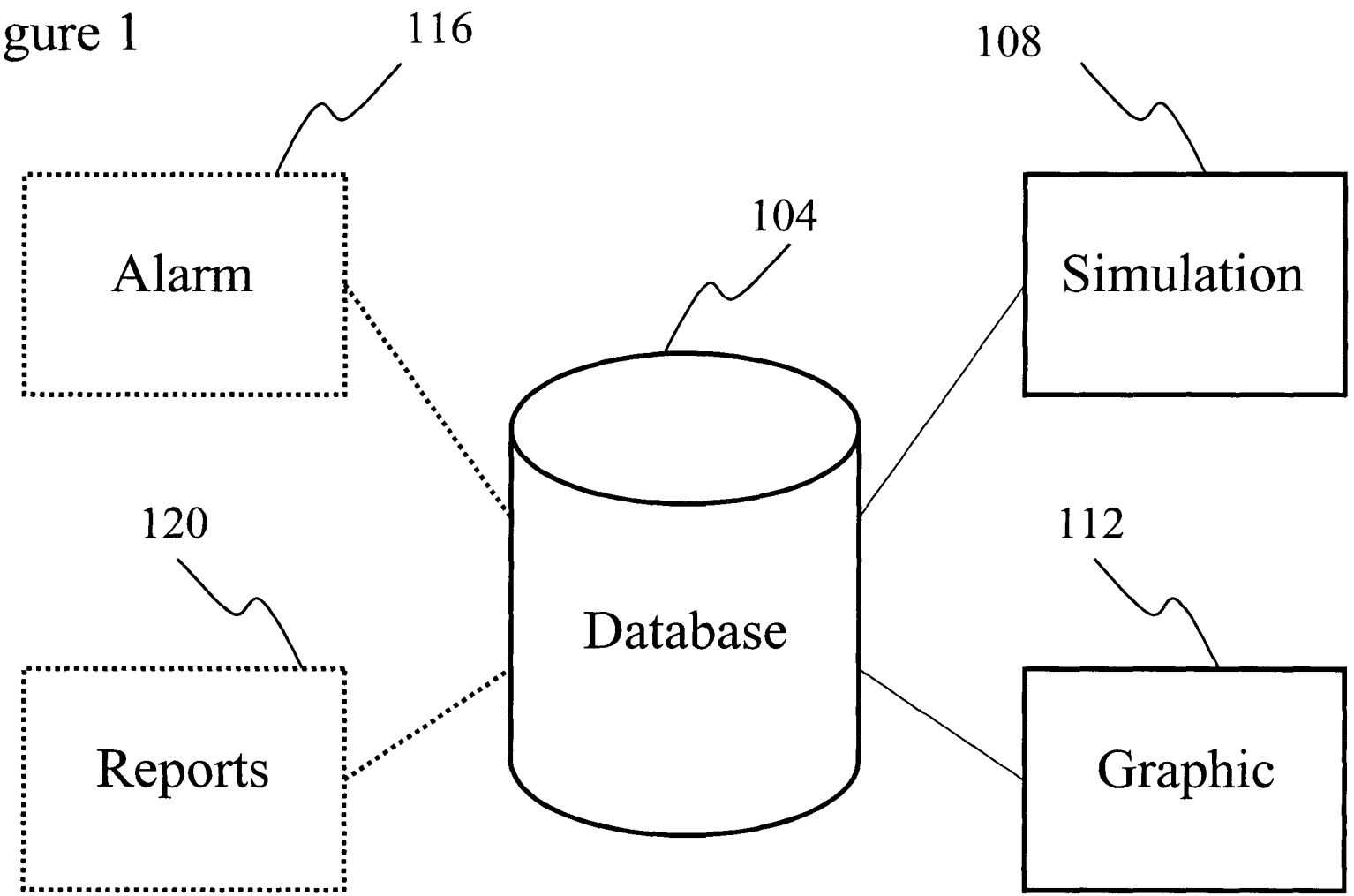
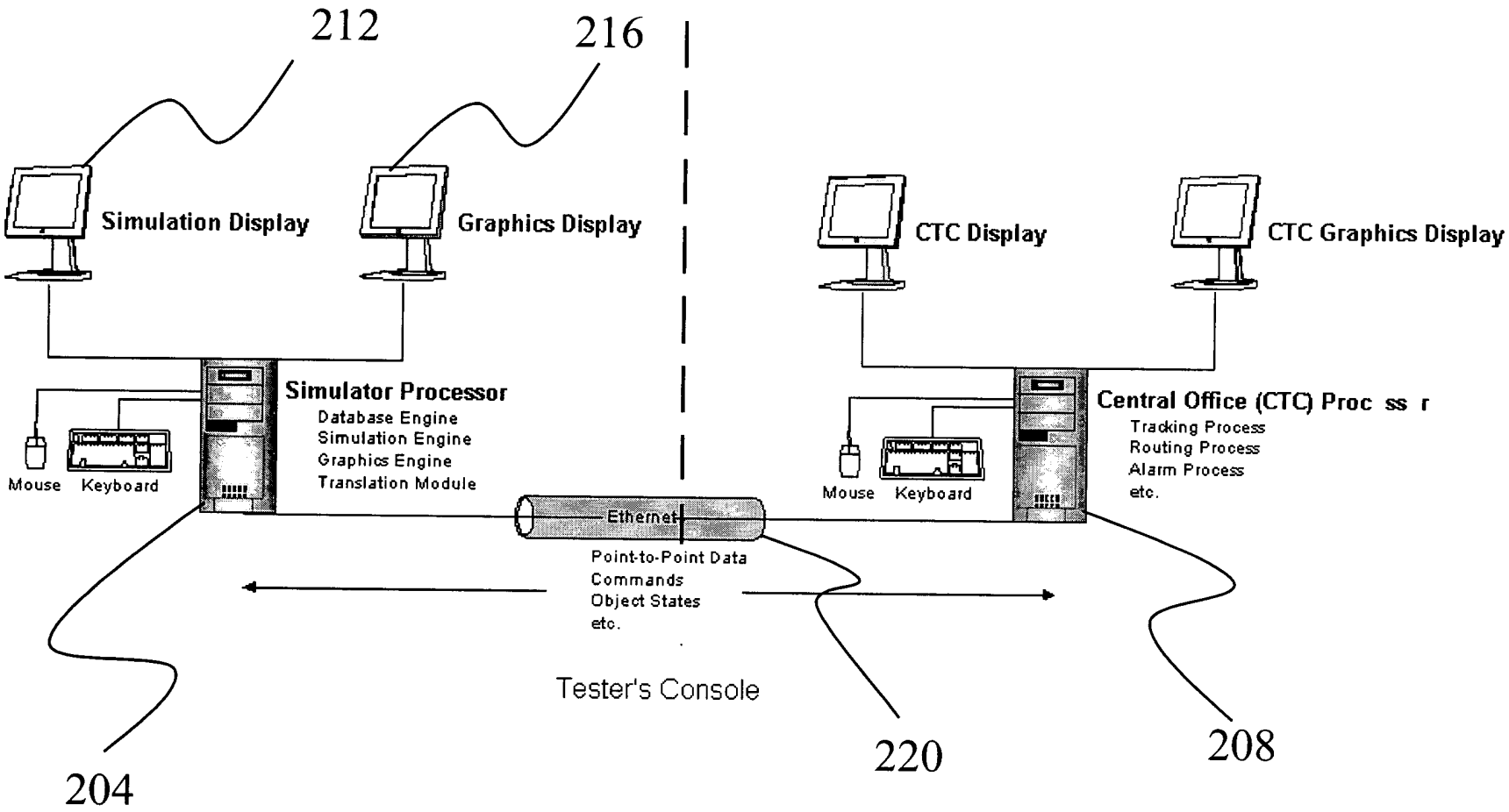

116
108
Alarm
104
Simulation
Database
120
112
Reports
Graphic

Figure 2


212
216
Simulation Display
Graphics Display
CTC Display
CTC Graphics Display
Simulator Processor
Database Engine
Simulation Engine
Graphics Engine
Translation Module
Mouse
Keyboard
Mouse
Keyboard
Central Office (CTC) Proc ss r
Tracking Process
Routing Process
Alarm Process
etc.
Ethernet
Point-to-Point Data
Commands
Object States
etc.
Tester's Console
204
220
208

200

Figure 3

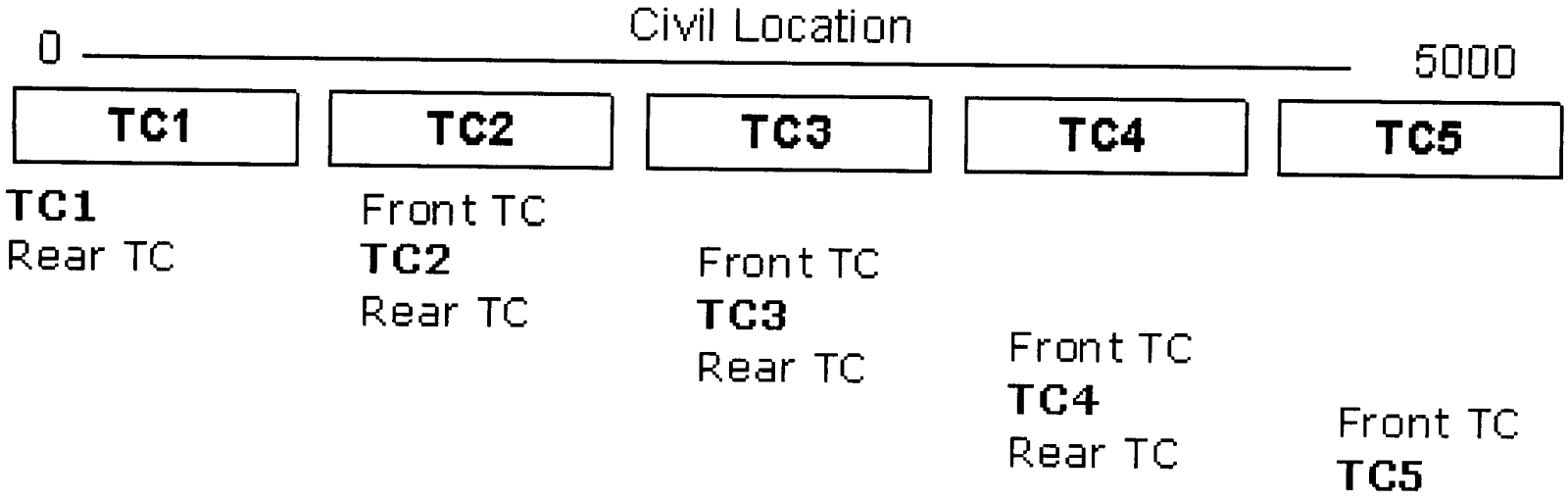
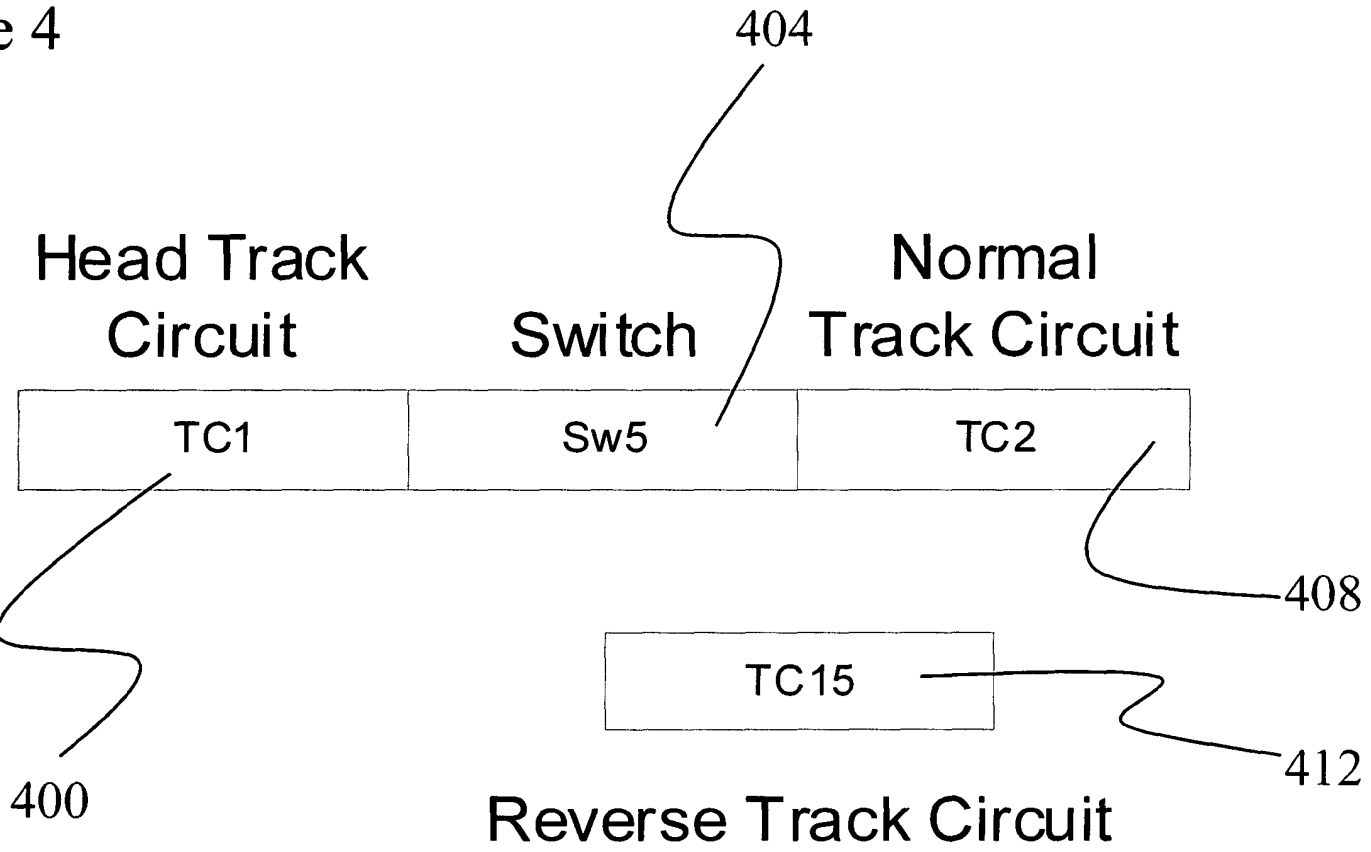
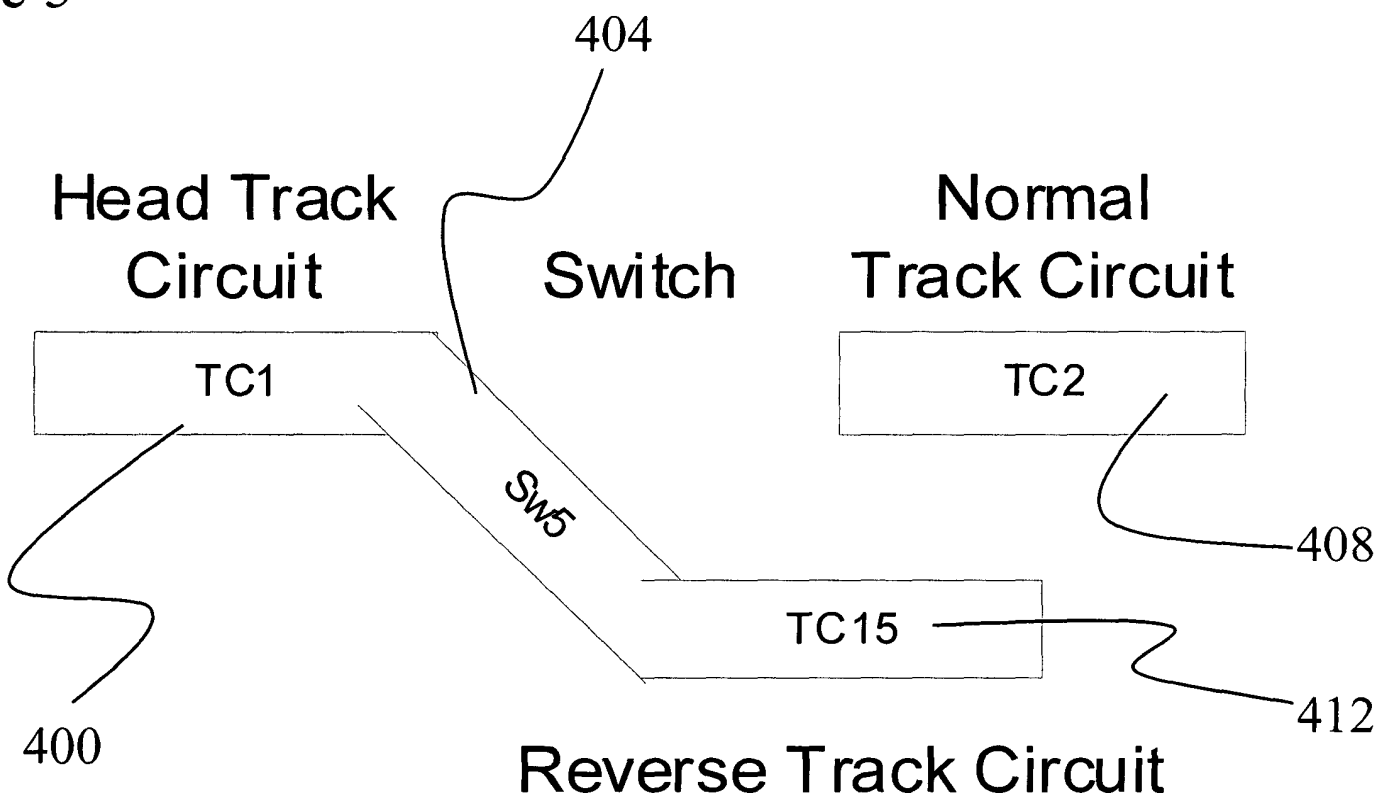

Civil Location
0
5000
TC1
TC2
TC3
TC4
TC5
TC1
Rear TC
Front TC
TC2
Rear TC
Front TC
TC3
Rear TC
Front TC
TC4
Rear TC
Front TC
TC5

Figure 4



Switch Configuration (Normal State)

Figure 5



Switch Configuration (Reverse State)

Figure 6

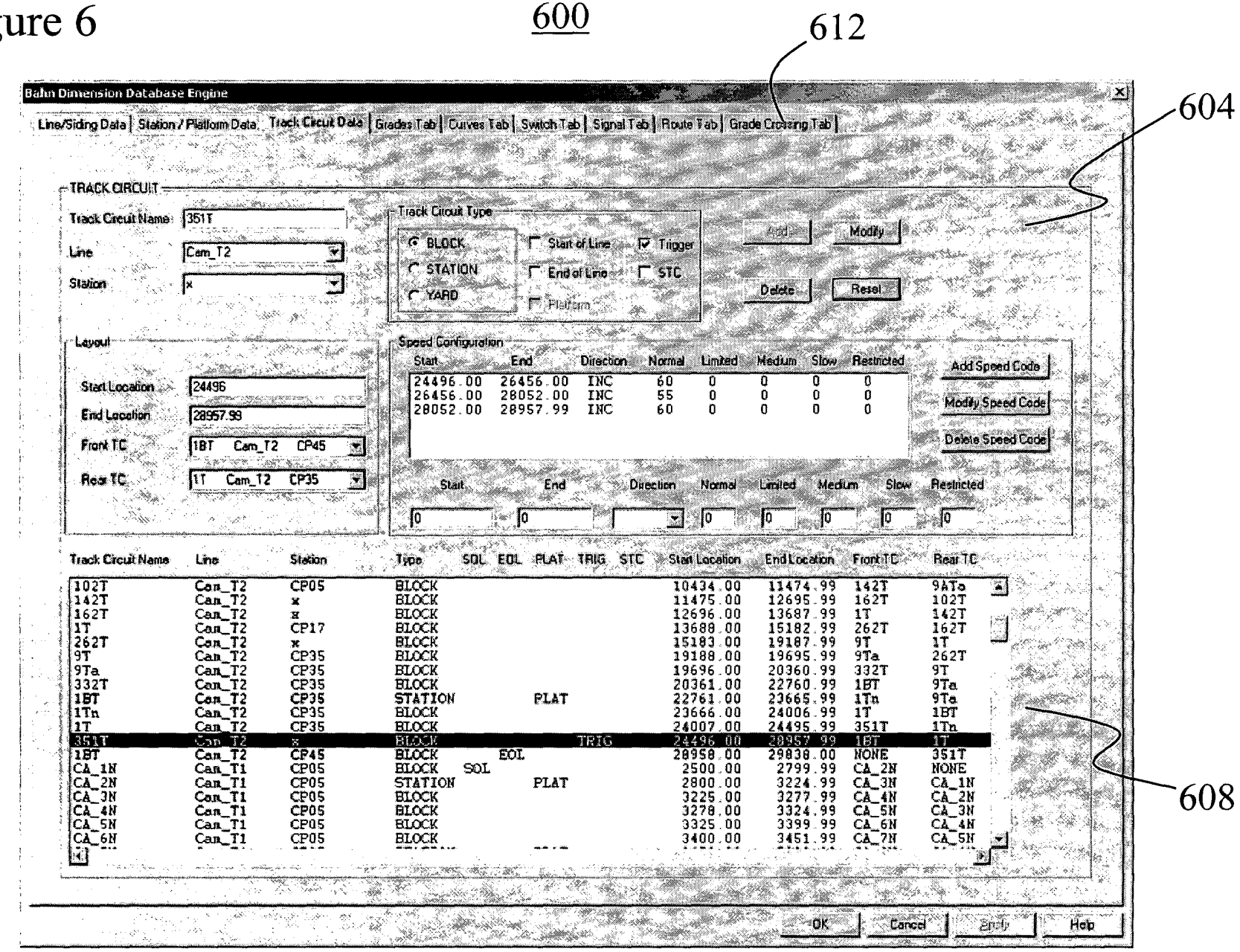

600
612
604
608
Bahn Dimension Database Engine
Line/Siding Data
Station / Platform Data
Track Circuit Data
Grades Tab
Curves Tab
Switch Tab
Signal Tab
Route Tab
Grade Crossing Tab
TRACK CIRCUIT
Track Circuit Name
351T
Line
Cam_T2
Station
Track Circuit Type
BLOCK
STATION
YARD
Start of Line
End of Line
Platform
Trigger
STC
Add
Modify
Delete
Reset
Layout
Start Location
24496
End Location
28957.99
Front TC
1BT Cam_T2 CP45
Rear TC
1T Cam_T2 CP35
Speed Configuration
Start
End
Direction
Normal
Limited
Medium
Slow
Restricted
24496.00 26456.00 INC 60 0 0 0 0
26456.00 28052.00 INC 55 0 0 0 0
28052.00 28957.99 INC 60 0 0 0 0
Add Speed Code
Modify Speed Code
Delete Speed Code
Track Circuit Name
Line
Station
Type
SOL
EOL
PLAT
TRIG
STC
Start Location
End Location
Front TC
Rear TC
102T Cam_T2 CP05 BLOCK 10434.00 11474.99 142T 9ATa
142T Cam_T2 x BLOCK 11475.00 12695.99 162T 102T
162T Cam_T2 x BLOCK 12696.00 13687.99 1T 142T
1T Cam_T2 CP17 BLOCK 13688.00 15182.99 262T 162T
262T Cam_T2 x BLOCK 15183.00 19187.99 9T 1T
9T Cam_T2 CP35 BLOCK 19188.00 19695.99 9Ta 262T
9Ta Cam_T2 CP35 BLOCK 19696.00 20360.99 332T 9T
332T Cam_T2 CP35 BLOCK 20361.00 22760.99 1BT 9Ta
1BT Cam_T2 CP35 STATION PLAT 22761.00 23665.99 1Tn 9Ta
1Tn Cam_T2 CP35 BLOCK 23666.00 24006.99 1T 1BT
1T Cam_T2 CP35 BLOCK 24007.00 24495.99 351T 1Tn
351T Cam_T2 x BLOCK TRIG 24496.00 28957.99 1BT 1T
1BT Cam_T2 CP45 BLOCK EOL 28958.00 29838.00 NONE 351T
CA_1N Can_T1 CP05 BLOCK SOL 2500.00 2799.99 CA_2N NONE
CA_2N Can_T1 CP05 STATION PLAT 2800.00 3224.99 CA_3N CA_1N
CA_3N Can_T1 CP05 BLOCK 3225.00 3277.99 CA_4N CA_2N
CA_4N Can_T1 CP05 BLOCK 3278.00 3324.99 CA_5N CA_3N
CA_5N Can_T1 CP05 BLOCK 3325.00 3399.99 CA_6N CA_4N
CA_6N Can_T1 CP05 BLOCK 3400.00 3451.99 CA_7N CA_5N
OK
Cancel
Apply
Help

Figure 7

700

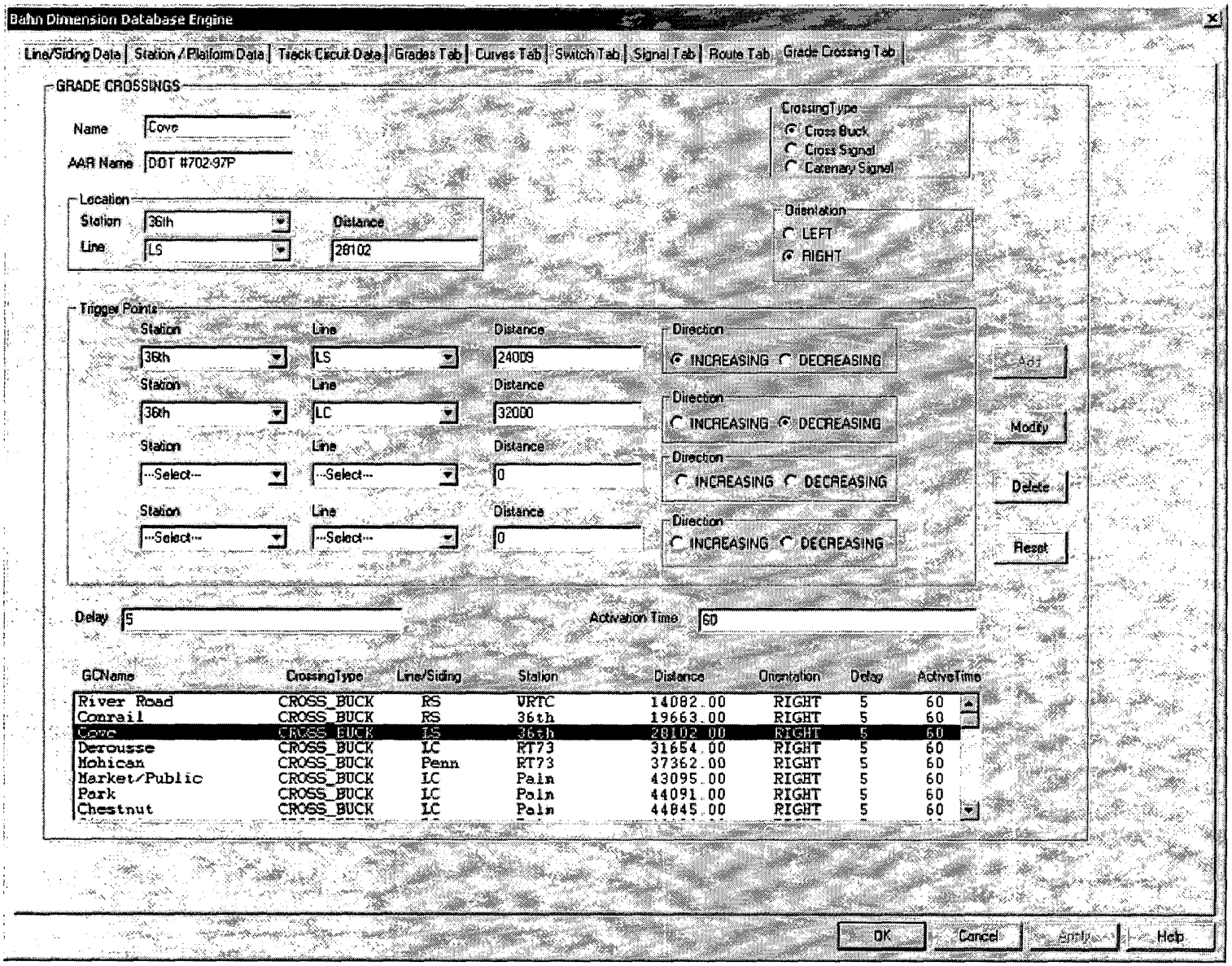
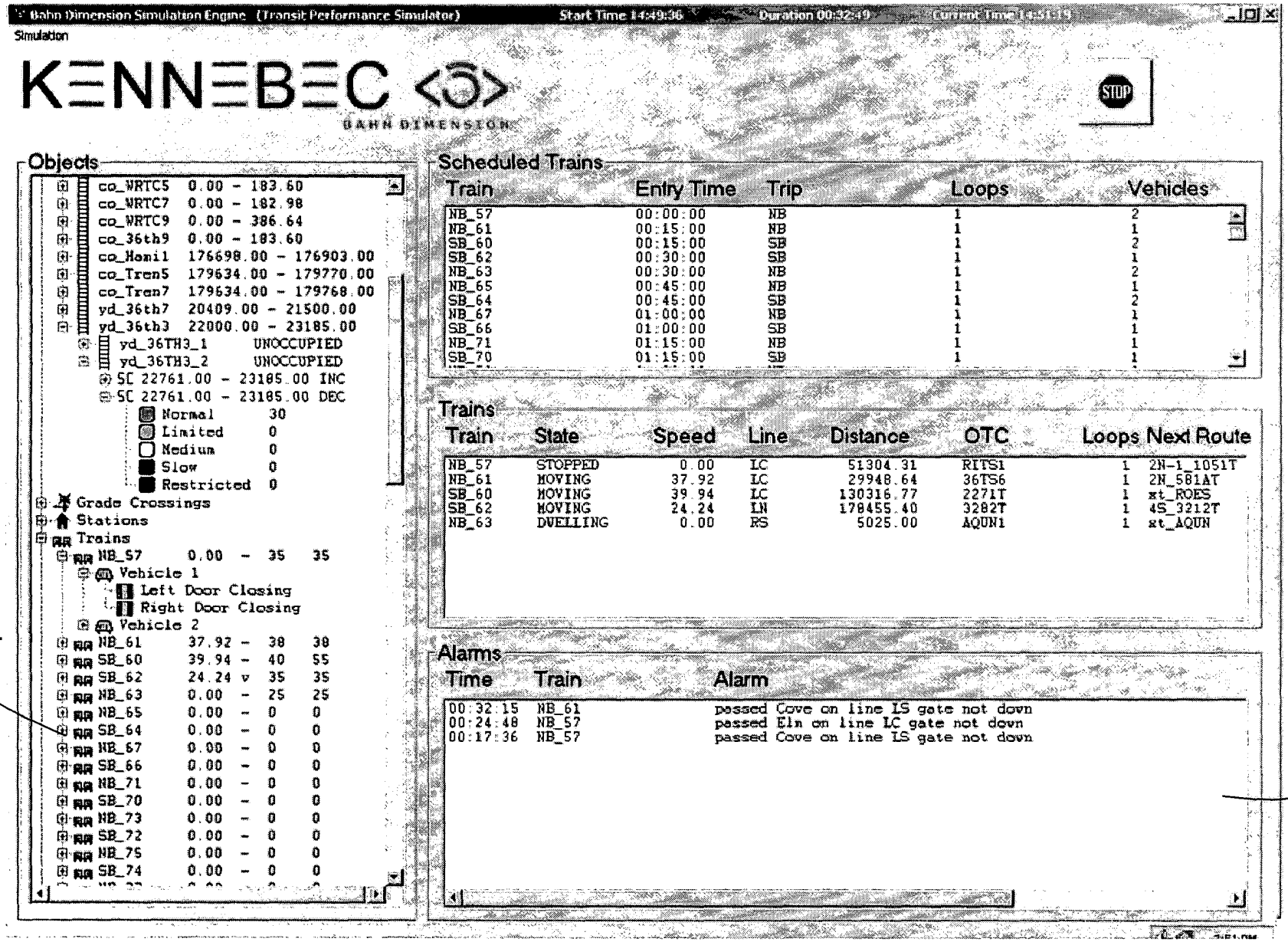

Rail Dimension Database Engine
Line/Siding Data
Station / Platform Data
Track Circuit Data
Grades Tab
Curves Tab
Switch Tab
Signal Tab
Route Tab
Grade Crossing Tab
GRADE CROSSINGS
Name
Cove
AAR Name
DOT #702-97P
CrossingType
Cross Buck
Cross Signal
Catenary Signal
Location
Station
36th
Line
LS
Distance
28102
Orientation
LEFT
RIGHT
Trigger Points
Station
Line
Distance
36th
LS
24009
Direction
INCREASING
DECREASING
Station
Line
Distance
36th
LC
32000
Direction
INCREASING
DECREASING
Station
Line
Distance
---Select---
---Select---
0
Direction
INCREASING
DECREASING
Station
Line
Distance
---Select---
---Select---
0
Direction
INCREASING
DECREASING
Add
Modify
Delete
Reset
Delay
5
Activation Time
60
GCName
CrossingType
Line/Siding
Station
Distance
Orientation
Delay
ActiveTime
River Road CROSS_BUCK RS VRTC 14082.00 RIGHT 5 60
Conrail CROSS_BUCK RS 36th 19663.00 RIGHT 5 60
Cove CROSS_BUCK LS 36th 28102.00 RIGHT 5 60
Derousse CROSS_BUCK LC RT73 31654.00 RIGHT 5 60
Mohican CROSS_BUCK Penn RT73 37362.00 RIGHT 5 60
Market/Public CROSS_BUCK LC Pain 43095.00 RIGHT 5 60
Park CROSS_BUCK LC Pain 44091.00 RIGHT 5 60
Chestnut CROSS_BUCK LC Pain 44845.00 RIGHT 5 60
OK
Cancel
Apply
Help

Figure 8

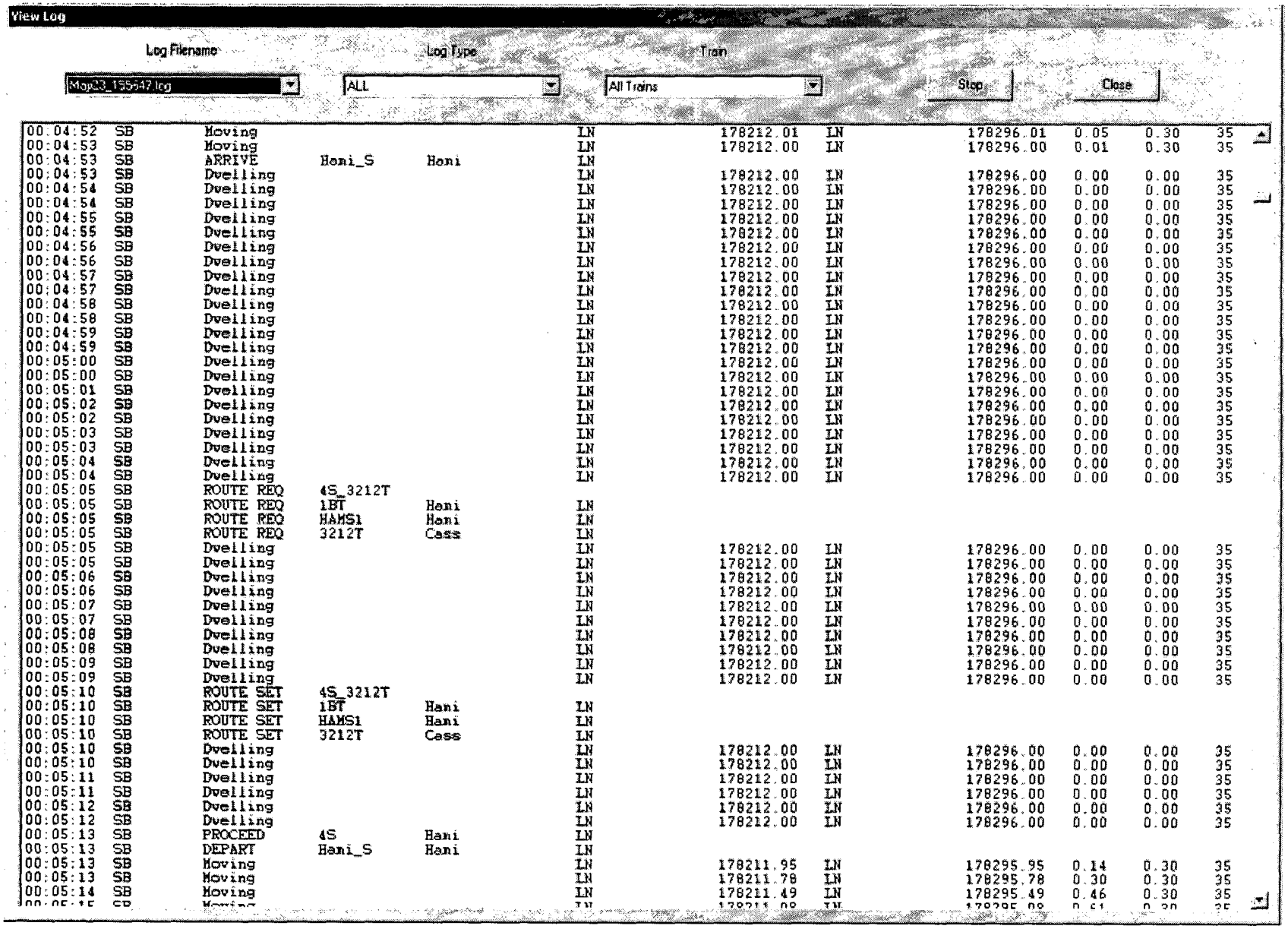
800



804

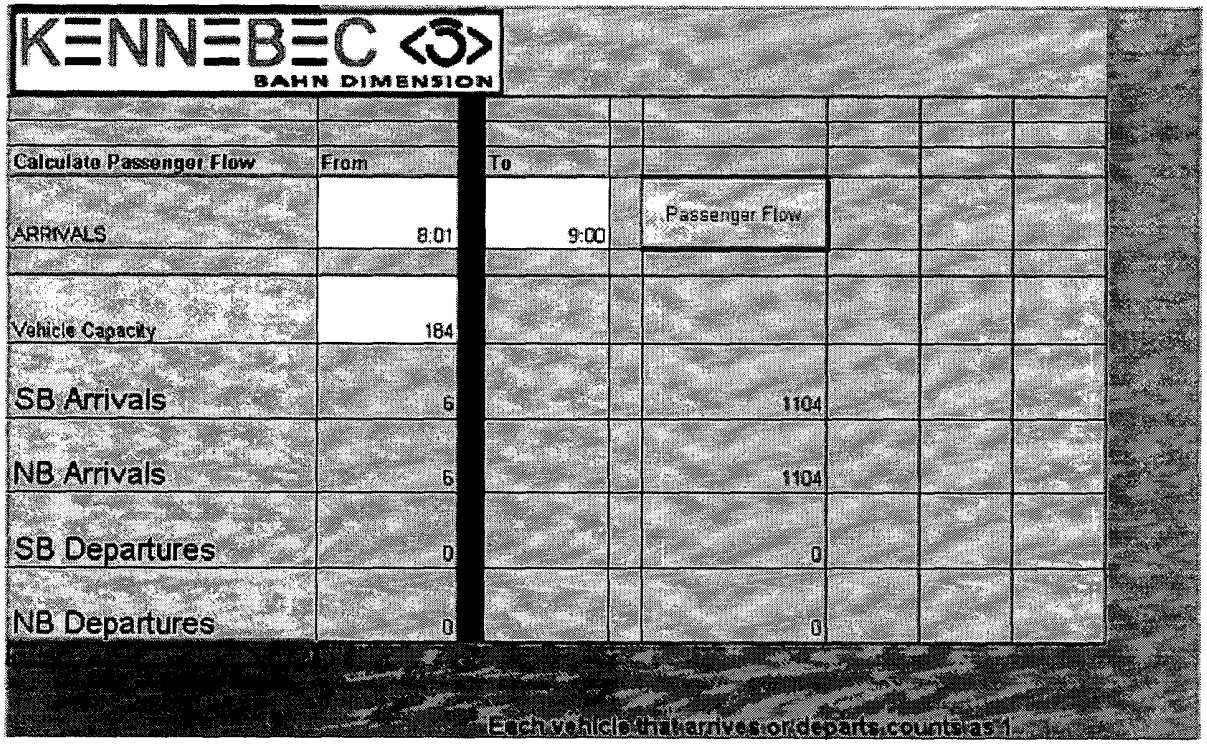
808

Figure 9



00:04:52	SB	Moving			LN	178212.01	LN	178296.01	0.05	0.30	35
00:04:53	SB	Moving			LN	178212.00	LN	178296.00	0.01	0.30	35
00:04:53	SB	ARRIVE	Hani_S	Hani	LN						
00:04:53	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:54	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:54	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:55	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:55	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:56	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:56	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:57	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:57	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:58	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:58	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:59	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:04:59	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:00	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:00	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:01	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:02	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:02	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:03	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:03	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:04	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:04	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:05	SB	ROUTE REQ	4S_3212T								
00:05:05	SB	ROUTE REQ	1BT	Hani	LN						
00:05:05	SB	ROUTE REQ	HAMS1	Hani	LN						
00:05:05	SB	ROUTE REQ	3212T	Cass	LN						
00:05:05	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:05	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:06	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:06	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:07	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:07	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:08	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:08	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:09	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:09	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:10	SB	ROUTE SET	4S_3212T								
00:05:10	SB	ROUTE SET	1BT	Hani	LN						
00:05:10	SB	ROUTE SET	HAMS1	Hani	LN						
00:05:10	SB	ROUTE SET	3212T	Cass	LN						
00:05:10	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:10	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:11	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:11	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:12	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:12	SB	Dwelling			LN	178212.00	LN	178296.00	0.00	0.00	35
00:05:13	SB	PROCEED	4S	Hani	LN						
00:05:13	SB	DEPART	Hani_S	Hani	LN						
00:05:13	SB	Moving			LN	178211.95	LN	178295.95	0.14	0.30	35
00:05:13	SB	Moving			LN	178211.78	LN	178295.78	0.30	0.30	35
00:05:14	SB	Moving			LN	178211.49	LN	178295.49	0.46	0.30	35

Figure 10


KENNEBEC
BAHN DIMENSION
Calculate Passenger Flow
From
To
ARRIVALS
8:01
9:00
Passenger Flow
Vehicle Capacity
184
SB Arrivals
6
1104
NB Arrivals
6
1104
SB Departures
0
0
NB Departures
0
0
Each vehicle that arrives or departs counts as 1